Datasheet for ABIN1589691

anti-VEGFR2/CD309 antibody

Go to Product page

Overview

Quantity:	100 µg
Target:	VEGFR2/CD309 (VEGFR2)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This VEGFR2/CD309 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	VEGFR-2/KDR antibody
Immunogen:	Recombinant human soluble extracellular KDR (D7)
Clone:	4(20I6)
Isotype:	IgG1
Specificity:	Recombinant human soluble extracellular KDR (D7)
Cross-Reactivity (Details):	The monoclonal antibody will detect native human VEGFR-2/KDR in ELISA experiments and on the surface of different human cell types.
Characteristics:	Chromosomal location: 4q11-q12 The monoclonal antibody was produced with the help of BALB/c mice using recombinant human soluble extracellular KDR (110 kDa) as the immunizing antigen.

Product Details

Purification:	Mouse IgG1 antibody (clone 4 (20I6)) from hybridomas was purified from cell culture supernatant by Protein G chromatography.

Target Details

Target:	VEGFR2/CD309 (VEGFR2)
Alternative Name:	VEGFR-2/KDR (VEGFR2 Products)
Background:	Vascular endothelial growth factor receptor-2 , KDR, FLK1, CD309, VEGF receptor 2, VEGFR2, kinase insert domain protein receptor,VEGF R1 (Flt-1), VEGF R2 (KDR/Flk-1), and VEGF R3 (Flt-4) belong to the class III subfamily of receptor tyrosine kinases (RTKs). All three receptors contain seven immunoglobulin-like repeats in their extracellular domain and kinase insert domains in their intracellular region. They are best known for regulating VEGF family-mediated vasculogenesis, angiogenesis, and lymphangiogenesis. They are also mediators of neurotrophic activity and regulators of hematopoietic development. Human VEGF R2 is thought to be the primary inducer of VEGF-mediated blood vessel growth, while VEGF R3 plays a significant role in VEGF-C and VEGF-D-mediated lymphangiogenesis.
Gene ID:	3791
NCBI Accession:	NM_002253, NP_002244
UniProt:	P35968
Pathways:	RTK Signaling, Glycosaminoglycan Metabolic Process, Signaling Events mediated by VEGFR1 and VEGFR2, Growth Factor Binding, Regulation of long-term Neuronal Synaptic Plasticity, VEGF Signaling

Application Details

Application Notes:	ELISA: Use at 1-10 µg/mL. Western blotting: Use at 2-5 µg/mL. Immunohistochemistry: Use at 6-30 µg/mL. Immunofluorescence: Use at 1-2 µg/mL. FACS analysis: Use at 2-5 µg/mL.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL.

Handling

Buffer:	PBS
Handling Advice:	Centrifuge vial prior to opening.
Storage:	4 °C,-20 °C
Storage Comment:	The lyophilized antibody is stable for at least 2 years at -20°C. After sterile reconstitution the antibody is stable at 2-8°C for up to 6 months. Frozen aliquots are stable for at least 6 months when stored at -20°C. Addition of a carrier protein or 50% glycerol is recommended for frozen aliquots.
Expiry Date:	24 months